

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application:

Listing of Claims:

1. - 8. (Canceled)

9. (Currently Amended) The method of claim 18 comprising locating the spare bit 1, wherein ~~said spare bit is located~~ in a rest octet of the system information 3 message.

10. (Previously Presented) An apparatus comprising:

a controller having two or more service modes, where the controller wirelessly communicates to at least one wireless terminal an availability of at least one of the two or more service modes through the use of a System Information 3 (SI3) message of a Global System for Mobile communications (GSM) system transferred on a first broadcast control channel, wherein an availability of one of the two or more service modes is indicated through a single spare bit in the first message, and, if it is indicated that the one of the two or more service modes is available, then a second broadcast control channel through which service information of the one of the two or more service modes is to be broadcast is described.

11. (Previously Presented) An apparatus as in claim 10, wherein the first broadcast control channel is a broadcast control channel (BCCH) of the GSM system.

12. (Previously Presented) An apparatus as in claim 10, wherein the single spare bit is a spare bit in the SI3 rest octets.

13. (Previously Presented) An apparatus as in claim 12, wherein the single spare bit is an Iu support indicator.

14. (Previously Presented) An apparatus as in claim 10, wherein the single spare bit represents the only previously undedicated bit in the SI3 message.

15. (Previously Presented) An apparatus as in claim 10, wherein the apparatus comprises a base station controller in a GSM/ EDGE radio access network (GERAN) cell.

16. - 17. (Canceled)

18. (New) A method for broadcasting of a possibility to use UMTS service in a cell under control of a GSM/EDGE radio access network (GERAN) type radio access network having an Iu interface to a 3G core network, a radio resource management system of the radio access network comprising a first and a second message, which messages are transferred on a first broadcast control channel in said cell, and which first message has at least one spare bit, wherein said first message is system information 3 of GSM system, and the method comprises using of said at least one spare bit for indicating whether said cell supports an UMTS service, and in a favorable case in which the GERAN controlled cell is determined to support the UMTS service

- describing a second broadcast control channel in the second message to at least Iu mobile stations, and

- broadcasting UMTS service information for Iu mobile stations on the second broadcast control channel.

19. (New) The method of claim 18, said first channel being BCCH of the GSM system and said second channel being PBCCH of the GSM system.

20. (New) The method of claim 18, the radio access network supporting the UMTS- service and not supporting a GPRS service, wherein said first message further comprises an Iu indicator field, and said second message is system information 13ALT of the GSM system and is legible only to Iu mobile stations.

21. (New) The method of claim 18, the radio access network supporting both the UMTS service and a GPRS service, wherein said second message is system information 13 of the GSM system.

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22. (New) A method of claim 21, the second channel being available also to the GPRS service, wherein said message system information 13 is legible only to Iu mobile stations and Gb mobile stations.

23. (New) A method of claim 21, the second channel being not available to the GPRS service, wherein a description of the second channel in the message system information 13 is legible only to Iu mobile stations.

24. (New) A method of claim 20, said Iu indicator field indicating, whether normal BCCH or extended BCCH is used to transfer the second message.

25. (New) The method of claim 18, said cell being barred against UMTS operation through Iu interface by indicating with said spare bit that UMTS service is not supported in said cell.